

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:3313
ANSWERED ON:15.04.2008
CLIMATE CHANGE
Dhanaraju Dr. K.

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether climate change is a serious problem affecting the country;
- (b) if so, whether any research has been undertaken so far to tackle this problem;
- (c) if so, the details thereof;
- (d) if not, the reasons therefor; and
- (e) the steps taken /proposed to be taken by the Government to tackle this problem?

Answer

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES(SHRI KAPIL SIBAL)

- (a) Yes, Sir, unless addressed promptly.
- (b) Yes, Sir.
- (c) Mean annual surface air temperatures show a significant warming of about 0.5 C/100 year during the last century and recent data indicates a substantial acceleration of this warming after the 1990's and is comparable to the global warming trend. Although, the monsoon rainfall at all India level does not show any trend but on regional scale areas of increasing trend in monsoon rainfall are found. On-going modernization of the India Meteorological Department (IMD), there will be a quantum jump in the coverage of climate observations over the Indian region which will make impact assessments feasible and make possible better detection of climate shifts in future. The Ministry of Earth Sciences has proposed to create a high-priority Program to address the Science issues of Global and Regional Climate Change with a well equipped state-of-the-art Center of Excellence at Indian Institute of Tropical Meteorology (IITM), Pune for inter-disciplinary research & training in the area of science of climate change.
- (d) Does not arise.
- (e) Although, India does not have any Green House Gas (GHG) abatement commitments under the Kyoto Protocol, a range of policies and programs on energy efficiency, conservation and cleaner technologies are being undertaken to help mitigate climate change.